L Number	Hits	Search Text	DB	Time stamp
38	1306	327/379-391.ccls.	USPAT	2002/06/20 13:14
39	717	327/379-391.ccls. and capacitor	USPAT	2002/06/20 13:14
40	389	i the transfer and capacitor, and atome	USPAT	2002/06/20 13:14
41	312	((327/379-391.ccls. and capacitor) and diode) and resistor	USPAT	2002/06/20 13:14
42	279	(((327/379-391.ccls. and capacitor) and diode) and resistor) and transistor	USPAT	2002/06/20 15:00
43	1191		USPAT	2002/06/20 15:01
44	581	(charge adj pump.ab.) and diode	USPAT	2002/06/20 15:01
45	542	((charge adj pump.ab.) and diode) and transistor	USPAT	2002/06/20 15:02
46	147	(((charge adj pump.ab.) and diode) and transistor) and comparator	USPAT	2002/06/20 15:02
47	2		USPAT	2002/06/20 15:19

307/112

SWITCHING SYSTEMS

Titles of Most Frequently Occurring Classifications of Patents Returned From A Search of 09831413 on January 07, 2002

```
(2 OR, 3 XR)
5 375/376
    Class 375: PULSE OR DIGITAL COMMUNICATIONS
                 SYNCHRONIZERS
    375/354
                 .Phase displacement, slip or jitter correction
    375/371
                 .. Phase locking
    375/373
                 ...Phase locked loop
    375/376
           (1 OR, 3 XR)
4 327/156
    Class 327: MISCELLANEOUS ACTIVE ELECTRICAL NONLINEAR
            DEVICES, CIRCUITS, AND SYSTEMS
                 SIGNAL CONVERTING, SHAPING, OR GENERATING
    327/100
    327/141
                 .Synchronizing
                 ..With feedback
    327/155
    327/156
                 ...Phase lock loop
           (1 OR, 3 XR)
4 327/3
    Class 327: MISCELLANEOUS ACTIVE ELECTRICAL NONLINEAR
            DEVICES, CIRCUITS, AND SYSTEMS
                 SPECIFIC SIGNAL DISCRIMINATING (E.G.,
    327/1
              COMPARING, SELECTING, ETC.) WITHOUT SUBSEQUENT CONTROL
    327/2
                 .. Comparison between plural inputs (e.g., phase
    327/3
             angle indication, lead-lag discriminator, etc.)
            (3 OR, 1 XR)
4 331/17
    Class 331: OSCILLATORS
                  AUTOMATIC FREQUENCY STABILIZATION USING A PHASE
    331/1R
              OR FREQUENCY SENSING MEANS
                  .Particular error voltage control (e.g.,
    331/17
             intergrating network)
            (1 OR, 2 XR)
 3 327/157
    Class 327: MISCELLANEOUS ACTIVE ELECTRICAL NONLINEAR
             DEVICES, CIRCUITS, AND SYSTEMS
                  SIGNAL CONVERTING, SHAPING, OR GENERATING
     327/100
                  .Synchronizing
     327/141
     327/155
                  ..With feedback
                  ...Phase lock loop
     327/156
     327/157
                  ....With charge pump
            (2 OR, 1 XR)
 3 327/91
     Class 327: MISCELLANEOUS ACTIVE ELECTRICAL NONLINEAR
             DEVICES, CIRCUITS, AND SYSTEMS
                  SPECIFIC SIGNAL DISCRIMINATING (E.G.,
     327/1
              COMPARING, SELECTING, ETC.) WITHOUT SUBSEQUENT CONTROL
     327/50
                  .By amplitude
                  .. Including details of sampling or holding
     327/91
             (0 OR, 3 XR)
 3 331/25
     Class 331: OSCILLATORS
                  AUTOMATIC FREQUENCY STABILIZATION USING A PHASE
     331/1R
               OR FREQUENCY SENSING MEANS
     331/18
                  .With reference oscillator or source
                  .. Signal or phase comparator
     331/25
             (0 OR, 3 XR)
     Class 375: PULSE OR DIGITAL COMMUNICATIONS
                  SYNCHRONIZERS
     375/354
                  .Phase displacement, slip or jitter correction
     375/371
 2 307/131
             (2 OR, 0 XR)
     Class 307: ELECTRICAL TRANSMISSION OR INTERCONNECTION
             SYSTEMS
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307/116
                 .Condition responsive
    307/125
                 ..Electrical
    307/131
                 ...Current
2 315/370
            (0 OR, 2 XR)
    Class 315: ELECTRIC LAMP AND DISCHARGE DEVICES: SYSTEMS
    315/1
                 CATHODE RAY TUBE CIRCUITS
    315/364
                 .Cathode-ray deflections circuits
                 .. With ray deflection distortion correction or
    315/370
            reduction
2 323/282
            (2 OR, 0 XR)
    Class 323: ELECTRICITY: POWER SUPPLY OR REGULATION
            SYSTEMS
                 OUTPUT LEVEL RESPONSIVE
    323/234
    323/265
                 .Using a three or more terminal semiconductive
             device as the final control device
    323/282
                 ..Switched (e.g., switching regulators)
2 327/12
           (1 OR, 1 XR)
    Class 327: MISCELLANEOUS ACTIVE ELECTRICAL NONLINEAR
            DEVICES, CIRCUITS, AND SYSTEMS
                 SPECIFIC SIGNAL DISCRIMINATING (E.G.,
    327/1
              COMPARING, SELECTING, ETC.) WITHOUT SUBSEQUENT CONTROL
    327/2
                 .By phase
                 .. Comparison between plural inputs (e.g., phase
    327/3
             angle indication, lead-lag discriminator, etc.)
    327/12
                 ...With logic or bistable circuit
            (1 OR, 1 XR)
2 331/1A
    Class 331: OSCILLATORS
    331/1R
                 AUTOMATIC FREQUENCY STABILIZATION USING A PHASE
             OR FREQUENCY SENSING MEANS
    331/1A
                 .AFC with logic elements
           (0 OR, 2 XR)
2 331/27
    Class 331: OSCILLATORS
                 AUTOMATIC FREQUENCY STABILIZATION USING A PHASE
    331/1R
              OR FREQUENCY SENSING MEANS
                 .With reference oscillator or source
    331/18
    331/25
                 .. Signal or phase comparator
                 ...Plural active element (e.g., triodes)
    331/27
2 331/34
           (0 OR, 2 XR)
    Class 331: OSCILLATORS
    331/1R
                 AUTOMATIC FREQUENCY STABILIZATION USING A PHASE
             OR FREQUENCY SENSING MEANS
    331/34
                 .Particular frequency control means
2 331/57
           (2 OR, 0 XR)
    Class 331: OSCILLATORS
    331/57
                 RING OSCILLATORS
2 331/8
           (0 OR, 2 XR)
    Class 331: OSCILLATORS
                 AUTOMATIC FREQUENCY STABILIZATION USING A PHASE
    331/1R
             OR FREQUENCY SENSING MEANS
    331/8
                 .Transistorized controls
2 341/144
            (0 OR, 2 XR)
    Class 341: CODED DATA GENERATION OR CONVERSION
                 ANALOG TO OR FROM DIGITAL CONVERSION
    341/126
    341/144
                 .Digital to analog conversion
2 708/849
            (0 OR, 2 XR)
    Class 708: ELECTRICAL COMPUTERS: ARITHMETIC PROCESSING
            AND CALCULATING
    708/800
                 ELECTRICAL ANALOG CALCULATING COMPUTER
```

708/801

.Particular function performed

..Function generation ...Cathode-ray tube 708/845 708/849

2 708/852 (2 OR, 0 XR)
Class 708: ELECTRICAL COMPUTERS: ARITHMETIC PROCESSING AND CALCULATING
708/800 ELECTRICAL ANALOG CALCULATING COMPUTER

708/801 708/845 .Particular function performed

..Function generation

708/852 ...Triangular, sawtooth, or ramp

ſ	L Number	Hits	Search Text	DB	Time stamp
Ì	1	499694	capacitor ·	USPAT;	2002/06/20 10:51
				US-PGPUB;	
				EPO; JPO;	
- 1				DERWENT;	
1	2	151990	capacitor and (charge! or charges! or	IBM_TDB USPAT;	2002/06/20 10:52
1	-	131770	charging!)	US-PGPUB;	2002/00/20 10.32
				EPO; JPO;	
				DERWENT;	
				IBM_TDB	
	3	74987	(capacitor and (charge! or charges! or	USPAT;	2002/06/20 10:56
			charging!)) and (discharge! or discharges!	US-PGPUB;	
			or discharging!)	EPO; JPO; DERWENT;	
				IBM TDB	
	4	18430	((capacitor and (charge! or charges! or	USPAT;	2002/06/20 10:58
-			charging!)) and (discharge! or discharges!	US-PGPUB;	
-			or discharging!)) and (compare or comparing)	EPO; JPO;	
				DERWENT;	
	5	12556	///gapagitor and /ghargol or ghargod or	IBM_TDB	2002/06/20 10.50
	,	12336	(((capacitor and (charge! or charges! or charging!)) and (discharge! or discharges!	USPAT; US-PGPUB;	2002/06/20 10:58
			or discharging!)) and (compare or	EPO; JPO;	
ſ			comparing)) and diode	DERWENT;	
				IBM_TDB	
- 1	6	1203	((((capacitor and (charge! or charges! or	USPAT;	2002/06/20 10:59
			charging!)) and (discharge! or discharges!	US-PGPUB;	
			or discharging!)) and (compare or comparing)) and diode) and ((noise! or	EPO; JPO; DERWENT;	
			jitter!) with (reduce or reducing))	IBM TDB	•
	7	11184	((((capacitor and (charge! or charges! or	USPĀT;	2002/06/20 10:59
			charging!)) and (discharge! or discharges!	US-PGPUB;	
			or discharging!)) and (compare or	EPO; JPO;	
			comparing)) and diode) and resistor	DERWENT;	
	8	68	(((((capacitor and (charge! or charges! or	<pre>IBM_TDB USPAT;</pre>	2002/06/20 11:12
			charging!)) and (discharge! or discharges!	US-PGPUB;	2002/00/20 11.12
-			or discharging!)) and (compare or	EPO; JPO;	
			comparing)) and diode) and ((noise! or	DERWENT;	
			<pre>jitter!) with (reduce or reducing))) and</pre>	IBM_TDB	
	İ		((noise!.ab. or jitter!.ab.) with (reduce or reducing))		
	9	63	<pre>((((((capacitor and (charge! or charges! or</pre>	USPAT;	2002/06/20_11:08
	_	33	charging!)) and (discharge! or discharges!	US-PGPUB;	2002/00/20, 11.00
-			or discharging!)) and (compare or	EPO; JPO;	
			comparing)) and diode) and ((noise! or	DERWENT;	
	j		jitter!) with (reduce or reducing))) and	IBM_TDB	
	1		((noise!.ab. or jitter!.ab.) with (reduce or reducing))) not us.cc.		
	10	24110	((capacitor and (charge! or charges! or	USPAT;	2002/06/20 11:09
			charging!)) and (discharge! or discharges!	US-PGPUB;	
	1		or discharging!)) and (diodes! or (second	EPO; JPO;	
			adj diode))	DERWENT;	
	11	172	(((capacitor and (charco) or charcos)	IBM_TDB	2002/06/20 11 12
		1/2	(((capacitor and (charge! or charges! or charging!)) and (discharge! or discharges!	USPAT; US-PGPUB;	2002/06/20 11:10
ı			or discharging!)) and (diodes! or (second	EPO; JPO;	
			adj diode))) and (lowpass adj filter)	DERWENT;	
				IBM_TDB	
	12	2691	(((capacitor and (charge! or charges! or	USPAT;	2002/06/20 11:11
			charging!)) and (discharge! or discharges! or discharging!)) and (diodes! or (second	US-PGPUB;	
			adj diode))) and (lowpass or (low adj pass))	EPO; JPO; DERWENT;	
			,, max (10"pabb of (10" aa, pabb))	IBM_TDB	
	13	2626	((((capacitor and (charge! or charges! or	USPAT;	2002/06/20 11:11
			charging!)) and (discharge! or discharges!	US-PGPUB;	
			or discharging!)) and (diodes! or (second	EPO; JPO;	
			adj diode))) and (lowpass or (low adj pass))) and filter	DERWENT;	
L			hassili and riffer	IBM_TDB	

14	2134	charging!)) and (discharge! or discharges!	USPAT; US-PGPUB;	2002/06/20 11:12
		or discharging!)) and (diodes! or (second adj diode))) and (lowpass or (low adj	EPO; JPO; DERWENT;	
		pass))) and filter) and resistors!	IBM TDB	٠
15	24	(((((capacitor and (charge! or charges! or	USPAT;	2002/06/20 11:12
		charging!)) and (discharge! or discharges! or discharging!)) and (diodes! or (second	US-PGPUB; EPO; JPO;	
	1	adj diode))) and (lowpass or (low adj	DERWENT;	
		pass))) and filter) and resistors!) and	IBM_TDB	
		((noise!.ab. or jitter!.ab.) with (reduce or reducing))		
16	24	((((((capacitor and (charge! or charges! or	USPAT;	2002/06/20 11:16
		charging!)) and (discharge! or discharges!	US-PGPUB;	
		or discharging!)) and (diodes! or (second adj diode))) and (lowpass or (low adj	EPO; JPO; DERWENT;	
		pass))) and filter) and resistors!) and	IBM_TDB	
		((noise!.ab. or jitter!.ab.) with (reduce or reducing))) not us.cc.		
17	79174	l . T	USPAT;	2002/06/20 11:16
		•	US-PGPUB;	
			EPO; JPO; DERWENT;	
			IBM_TDB	
18	5753	(noise!.ti. or jitter!.ti.) and (capacitor	USPAT; US-PGPUB;	2002/06/20 11:17
		or capacitors!)	EPO; JPO;	
		·	DERWENT;	
19	2403	((noise!.ti. or jitter!.ti.) and (capacitor	IBM_TDB USPAT;	2002/06/20 11:17
	2405	or capacitors!)) and (resistor! or	US-PGPUB;	2002,00,20 == 1
		resistors!)	EPO; JPO;	
			DERWENT; IBM TDB	
20	1007		USPĀT;	2002/06/20 11:18
		or capacitors!)) and (resistor! or resistors!)) and (diode! or diodes!)	US-PGPUB; EPO; JPO;	
		resistors. 77 and (drodes of drodes.)	DERWENT;	
21	702	(///noisel ti ex iitten) ti) and	IBM_TDB USPAT;	2002/06/20 11:19
21	783	<pre>((((noise!.ti. or jitter!.ti.) and (capacitor or capacitors!)) and (resistor!</pre>	US-PGPUB;	2002/00/20 11.13
		or resistors!)) and (diode! or diodes!)) and	EPO; JPO;	
		(compare or comparint or comparator or amplifier)	DERWENT; IBM TDB	
22	788	((((noise!.ti. or jitter!.ti.) and	USPAT;	2002/06/20 11:20
		(capacitor or capacitors!)) and (resistor! or resistors!)) and (diode! or diodes!)) and	US-PGPUB; EPO; JPO;	
		(compare or comparing or comparator or	DERWENT;	
		amplifier)	IBM_TDB	2002/06/20 11 22
23	536	<pre>((((((noise!.ti. or jitter!.ti.) and (capacitor or capacitors!)) and (resistor!</pre>	USPAT; US-PGPUB;	2002/06/20 11:22
		or resistors!)) and (diode! or diodes!)) and	EPO; JPO;	1
		(compare or comparing or comparator or amplifier)) and (filter or monostable or	DERWENT; IBM TDB	
		pump)	15156	
24	12	((((((noise!.ti. or jitter!.ti.) and	USPAT;	2002/06/20 11:22
		(capacitor or capacitors!)) and (resistor! or resistors!)) and (diode! or diodes!)) and	US-PGPUB; EPO; JPO;	
		(compare or comparing or comparator or	DERWENT;	
		amplifier)) and (filter or monostable or pump)) and (charge adj pump)	IBM_TDB	
25	526		USPAT;	2002/06/20 11:27
		(capacitor or capacitors!)) and (resistor!	US-PGPUB;	
		or resistors!)) and (diode! or diodes!)) and (compare or comparing or comparator or	EPO; JPO; DERWENT;	
		amplifier)) and (filter or monostable or	IBM_TDB	
	1	pump)) not us.cc.	L	

26	390	(((((((noise!.ti. or jitter!.ti.) and	USPAT;	2002/06/20 11:27
		(capacitor or capacitors!)) and (resistor!	US-PGPUB;	
		or resistors!)) and (diode! or diodes!)) and	EPO; JPO;	
		(compare or comparing or comparator or	DERWENT;	
		amplifier)) and (filter or monostable or	IBM_TDB	
		pump)) not us.cc.) and transistor		ŕ
27	390	(((((((noise!.ti. or jitter!.ti.) and	USPAT;	2002/06/20 13:12
		(capacitor or capacitors!)) and (resistor!	US-PGPUB;	
		or resistors!)) and (diode! or diodes!)) and	EPO; JPO;	
		(compare or comparing or comparator or	DERWENT;	
		amplifier)) and (filter or monostable or	IBM_TDB	
		pump)) not us.cc.) and transistor) not		
		us.cc.		
28	2	("2863123" "3541459").PN.	USPAT	2002/06/20 11:53
31	4	("2760061" "2791686" "3623144"	USPAT	2002/06/20 11:53
		"3694754").PN.		
34	13	("3612912" "3811420" "3816760"	USPAT	2002/06/20 11:53
		"3854465" "3861370" "3910243"	ļ	
		"3976043" "3991730" "3996911"		
		"4051827" "4060714" "4117819"		
		"4153019").PN.		
35	2	("2863123" "3541459").PN.	USPAT	2002/06/20 13:11

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